

US EPA RECORDS CENTER REGION 5



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11/14/99

LETTER REPORT  
FOR  
HASTINGS STREET  
DETROIT, WAYNE COUNTY, MICHIGAN  
TDD: S05-9906-009  
PAN: 9N0901RZXX

November 16, 1999

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Emergency Response Branch  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Prepared by: Nancy M. Smith  
Nancy M. Smith, START Project Manager

Date: 11/24/99

Reviewed by: P. L. Elliott Jr  
Patrick Zwilling, Assistant START Program Manager

Date: 11/24/99

Approved by: Cheryl L. Elliott  
Cheryl L. Elliott, Assistant START Program Manager

Date: 11/24/99



**ecology and environment, inc.**

12251 UNIVERSAL, TAYLOR, MICHIGAN 48180, TEL. (313) 946-0900  
International Specialists in the Environment

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## ecology and environment, inc.

12251 UNIVERSAL, TAYLOR, MICHIGAN 48180, TEL. (313) 946-0900  
International Specialists in the Environment

November 16, 1999

Ms. Gail Nabasny  
START Project Officer  
Emergency Support Section  
U.S. Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Re: Hastings Street  
Detroit, Wayne County, Michigan  
TDD: S05-9906-009  
PAN: 9N0901RZXX

Dear Ms. Nabasny:

On June 10, 1999, the United States Environmental Protection Agency (U.S. EPA) tasked the Ecology and Environment, Inc., Superfund Technical Assessment and Response Team (START), under Technical Direction Document (TDD) S05-9906-009, to provide technical support for an emergency response at the Hastings Street (HS) site in Detroit, Wayne County, Michigan. The START members conducting emergency response activities were Cheryl Elliott, Chris Harvey, Nancy Smith, Cedric Gibson, Mary Miller, Stephanie Wenning, and Andrew Kocher, under direction of U.S. EPA On-Scene Coordinator (OSC) Partap Lall. Photodocumentation is presented in Attachment A.

The HS site is located at 6540 Hastings Street, Detroit, Wayne County, Michigan (latitude 42°22'22.1"N and longitude 83°03'46.2"W) (Attachment B, Figure 1). Drums and small containers of chemicals and paint products were found by the Detroit Fire Department after extinguishing a fire at the site. The site consists of a collapsed warehouse, garage, remains of a small brick building, and a building destroyed by the fire where the majority of drums were located. The site contained approximately one hundred seventy-one 55-gallon drums, one 35-gallon drum, two 30-gallon drums, one hundred twenty-seven 5-gallon drums, thirty-two 1-gallon containers, five 1-quart containers, and two compressed gas cylinders. The site had been abandoned for approximately fifteen years. It had originally been a fishing line manufacturer, and later was used as a furniture warehouse. The site is bordered to the south by active railroad tracks, to the north and east by industrial operations, and to the west by Hastings Street (Attachment B, Figure 2).

On June 10, 1999, U.S. EPA and START mobilized to site, conducted a site reconnaissance and arranged for 24-hour site security. On June 11, 1999, the Emergency and Rapid Response Services (ERRS) contractor EarthTech, Richmond, Virginia, mobilized a Response Manager (RM) to site. The RM met with the OSC and START, conducted a site reconnaissance, and devised a work plan for the site.

On June 14, 1999, U.S. EPA mobilized a mobile command post to site. ERRS mobilized a track loader and crew to site and began response activities. ERRS segregated approximately sixty-seven empty 55-gallon drums from seventy-two full/partially full 55-gallon drums and two 30-gallon drums, and began overpacking and staging

the drums for sampling. ERRS staged one hundred twenty-seven 5-gallon pails, thirty-two 1-gallon containers, and five 1-quart containers of paint-related materials and petroleum distillates for lab packing. In addition, START and U.S. EPA found approximately twelve 55-gallon drums, and one 35-gallon drum marked as sulfuric acid, inside the partially collapsed warehouse.

On June 15, 1999, ERRS continued overpacking and staging drums, and began sampling the drums. ERRS' chemist began lab packing the 5-gallon pails and smaller containers into cubic yard boxes for disposal, and conducted hazard categorization testing on the drum samples. ERRS crushed 67 empty drums on site with the track loader. Two ERRS structural engineers conducted an investigation of the collapsed warehouse where the drums were located to assess the building's structural integrity. The engineers stated that in order to remove the drums located in the collapsed warehouse, a two bay wide section of collapsed building materials adjacent to the drums would have to be removed. In addition, temporary braces on the first and second floor open bays, and ground-to-column braces on the support beams would be needed.

On June 16, 1999, ERRS continued overpacking, sampling and hazard categorization testing of drums. From the hazard categorization data, ERRS determined four compatible composite groups for the drums, and began consolidation of drum materials into composite groups. Composite group 1 contained one 85-gallon overpack drum of caustic soda. Composite group 2 contained one 85-gallon overpack drum of chlorinated oil. Composite group 3 contained two 95-gallon overpack drums and two 85-gallon overpack drums of liquid acid. Composite group 4 contained thirty-nine 85-gallon overpack drums and three 55-gallon drums of oil/grease and water.

On June 17, 1999, ERRS completed field characterization of samples and lab packing of 5-gallon pails and small containers on site. Overpacking and compositing of drums were completed. ERRS staged the overpack drums for disposal, crushed empty drums, consolidated empty containers on the site, and demobilized the crew. The City of Detroit Department of Public Works (DPW) utilized an excavator to complete a partial demolition of the warehouse allowing access to the drums. The DPW removed a four bay wide section of the collapsed building materials. During the removal, a support beam was dislodged and fell on top of one of the drums. The ERRS structural engineer was called back to site to evaluate the situation. The engineer stated that the support beam would need to be shored up before accessing the drums.

On June 25, 1999, ERRS finished the transportation and disposal of the profiled waste streams on site. ERRS loaded crushed drums and used personal protective equipment into a 20 cubic yard rolloff box, which was transported to Wayne Disposal, Inc., Belleville, Michigan, for disposal. Forty-two drums of non-regulated oils were disposed at Michigan Disposal Waste Treatment Plant, Belleville, Michigan; one drum of chlorinated oil was disposed at Michigan Recovery Systems, Inc., Romulus, Michigan; seven cubic yard boxes of waste paint, four drums of waste sulfuric acid, and one drum of sodium hydroxide solids were transported to Chemtron Corporation, Avon, Ohio, for disposal. A waste disposal table is included in Attachment C, Table 1. ERRS and START noticed additional drums on the second floor of the collapsed building. Access to the drums was not possible due to the unsafe building conditions.

On September 15, 1999, ERRS and Thomas Nicholson Company mobilized and stabilized the entry to the warehouse. ERRS removed and staged twenty 55-gallon drums from the warehouse after securing the structural integrity of the entryway to the warehouse. Sixteen of the drums were factory sealed and labeled as belonging to Faygo Beverages, who was contacted in regards to disposal. ERRS' chemist sampled and hazard categorized the four remaining unlabeled drums.

On September 16, 1999, Air Products took possession and transported one compressed gas cylinder of carbon dioxide off site. Faygo Beverages took possession and transported sixteen drums of concentrated beverage mix off site for disposal to their facility.

On September 30, 1999, ERRS overpacked and labeled four drums for transportation and disposal. On October 1, 1999, two drums of flammable liquid, one drum of hazardous waste liquid, and one drum of paint-related material were transported to Michigan Recovery Systems, Inc., Romulus, Michigan, for disposal.

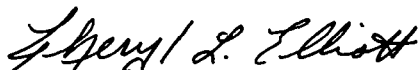
On October 5, 1999, Praxair Distribution Inc., Detroit, Michigan, took possession and transported one compressed gas cylinder of acetylene off site.

The preparation of this Letter Report, with included attachments, completes the tasks specified by this TDD. If you have any questions or need additional information, please contact our office at 734-946-0900.

Sincerely,



Nancy M. Smith  
START Project Manager



Cheryl L. Elliott  
Assistant START Program Manager

Attachments: A Photodocumentation  
B Site Illustrations  
C Waste Disposal Table

cc: Partap Lall, OSC, U.S. EPA, Grosse Ile, Michigan  
Site File



**Attachment A**

**Photodocumentation**



**Site:** Hastings Street  
**Photo No:** 1 (R1F20)  
**Direction:** Northeast  
**Photographer:** C. Harvey

**Date:** June 10, 1999  
**Subject:** A view of tires and fire damaged debris.



**Site:** Hastings Street  
**Photo No:** 2 (R1F17)  
**Direction:** Northwest  
**Photographer:** C. Harvey

**Date:** June 10, 1999  
**Subject:** A view of the collapsed roof of the warehouse building.





**Site:** Hastings Street  
**Photo No:** 3 (R1F6)  
**Direction:** East  
**Photographer:** C. Harvey

**Date:** June 10, 1999  
**Subject:** A view of drums located within a burned building.



**Site:** Hastings Street  
**Photo No:** 4 (R1F2)  
**Direction:** Southeast  
**Photographer:** C. Harvey

**Date:** June 10, 1999  
**Subject:** A view of a compressed gas cylinder located north of the garage.





**Site:** Hastings Street  
**Photo No:** 5 (R1F0)  
**Direction:** Northeast  
**Photographer:** C. Harvey

**Date:** June 10, 1999  
**Subject:** A view of drums and 5-gallon pails of paint-related materials located within the building frame.



**Site:** Hastings Street  
**Photo No:** 6 (R2FE)  
**Direction:** East  
**Photographer:** C. Gibson

**Date:** June 14, 1999  
**Subject:** A view of the Hastings Street gate with sign warning that hazardous materials are located on the site.





**Site:** Hastings Street  
**Photo No:** 7 (R2F22)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 14, 1999  
**Subject:** ERRS clearing debris with a track loader.



**Site:** Hastings Street  
**Photo No:** 8 (R2F21)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 14, 1999  
**Subject:** ERRS clearing path to access drums.





**Site:** Hastings Street  
**Photo No:** 9 (R2F19)  
**Direction:** Northwest  
**Photographer:** N. Smith

**Date:** June 14, 1999  
**Subject:** A view of U.S. EPA mobile command post.



**Site:** Hastings Street  
**Photo No:** 10 (R2F17)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 14, 1999  
**Subject:** ERRS moving paint cans to staging area with track loader.





**Site:** Hastings Street  
**Photo No:** 11 (R2F13)  
**Direction:** South  
**Photographer:** N. Smith

**Date:** June 14, 1999  
**Subject:** A view of containers of paint-related material staged for lab packing.



**Site:** Hastings Street  
**Photo No:** 12 (R2F12)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 14, 1999  
**Subject:** ERRS moving drums to staging area.





**Site:** Hastings Street  
**Photo No:** 13 (R2F10)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 14, 1999  
**Subject:** A view of a Ford label on boxes found in warehouse.



**Site:** Hastings Street  
**Photo No:** 14 (R2F9)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 14, 1999  
**Subject:** A view of 55-gallon drums located in the warehouse.





**Site:** Hastings Street  
**Photo No:** 15 (R2F6)  
**Direction:** South  
**Photographer:** M. Miller

**Date:** June 15, 1999  
**Subject:** A view of a 55-gallon drum marked as VP racing fuel.



**Site:** Hastings Street  
**Photo No:** 16 (R2F5)  
**Direction:** Southeast  
**Photographer:** N. Smith

**Date:** June 15, 1999  
**Subject:** ERRS chemist conducting hazard categorization testing on samples.





**Site:** Hastings Street  
**Photo No:** 17 (R2F4)  
**Direction:** Southwest  
**Photographer:** M. Miller

**Date:** June 15, 1999  
**Subject:** A view of drums marked as used oil.



**Site:** Hastings Street  
**Photo No:** 18 (R2F3)  
**Direction:** West  
**Photographer:** M. Miller

**Date:** June 15, 1999  
**Subject:** ERRS overpacking a 55-gallon drum.





**Site:** Hastings Street  
**Photo No:** 19 (R2F1)  
**Direction:** West  
**Photographer:** M. Miller

**Date:** June 15, 1999  
**Subject:** A view of a ripped open, bulging drum.



**Site:** Hastings Street  
**Photo No:** 20 (R3F21)  
**Direction:** Northwest  
**Photographer:** M. Miller

**Date:** June 15, 1999  
**Subject:** ERRS moving three bulging drums with a track loader.





**Site:** Hastings Street  
**Photo No:** 21 (R3F19)  
**Direction:** Southeast  
**Photographer:** M. Miller

**Date:** June 15, 1999  
**Subject:** ERRS overpacking drum pieces.



**Site:** Hastings Street  
**Photo No:** 22 (R3F15)  
**Direction:** West  
**Photographer:** C. Gibson

**Date:** June 15, 1999  
**Subject:** ERRS crushing empty drums with a track loader.





**Site:** Hastings Street  
**Photo No:** 23 (R3F14)  
**Direction:** East  
**Photographer:** S. Wenning

**Date:** June 16, 1999  
**Subject:** ERRS overpacking a drum located at eastern portion of site.



**Site:** Hastings Street  
**Photo No:** 24 (R3F12)  
**Direction:** East  
**Photographer:** S. Wenning

**Date:** June 16, 1999  
**Subject:** ERRS lab packing 5-gallon pails of paint-related materials.





**Site:** Hastings Street  
**Photo No:** 25 (R3F8)  
**Direction:** Southeast  
**Photographer:** N. Smith

**Date:** June 16, 1999  
**Subject:** ERRS consolidating drum contents.



**Site:** Hastings Street  
**Photo No:** 26 (R3F5)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 16, 1999  
**Subject:** ERRS sampling drum number 79.





**Site:** Hastings Street  
**Photo No:** 27 (R3F3)  
**Direction:** Southeast  
**Photographer:** N. Smith

**Date:** June 16, 1999  
**Subject:** ERRS emptying contents of a tank.



**Site:** Hastings Street  
**Photo No:** 28 (R3F2)  
**Direction:** Northwest  
**Photographer:** N. Smith

**Date:** June 16, 1999  
**Subject:** City of Detroit DPW removing debris to access drums within warehouse.

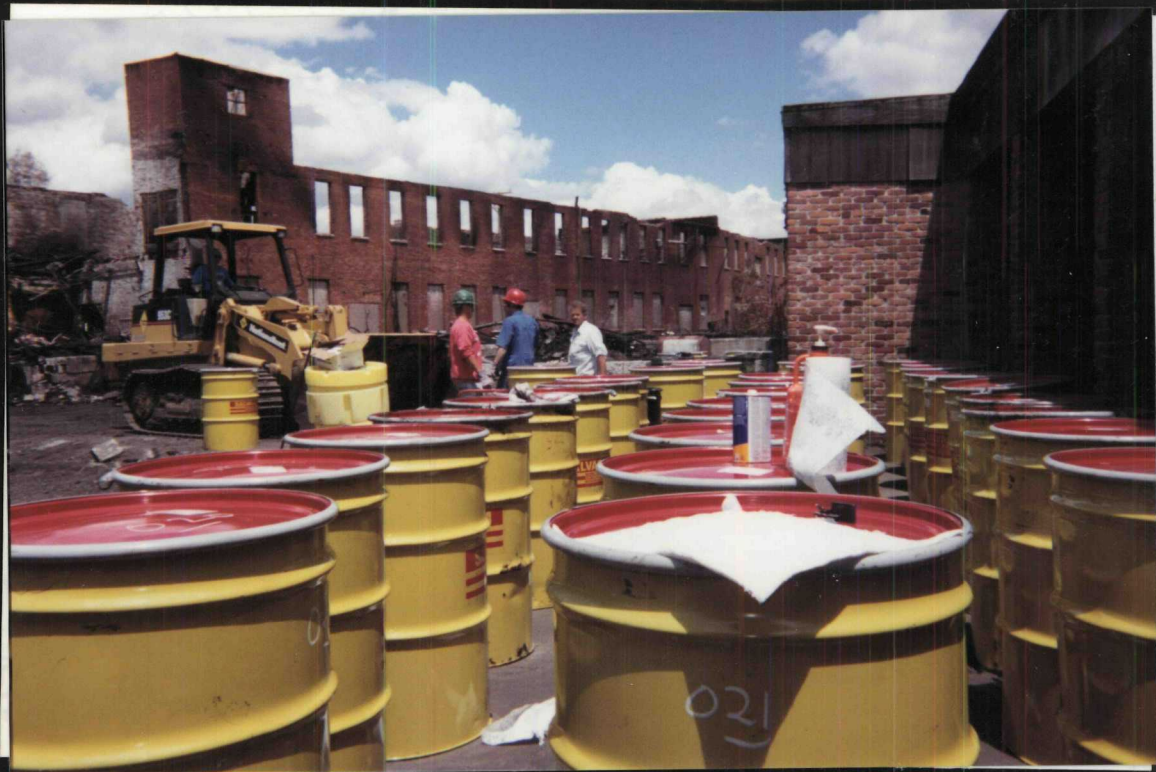




**Site:** Hastings Street  
**Photo No:** 29 (R3F1)  
**Direction:** North  
**Photographer:** N. Smith

**Date:** June 16, 1999

**Subject:** A view of blue colored drums within warehouse.



**Site:** Hastings Street  
**Photo No:** 30 (R3F0)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 16, 1999

**Subject:** ERRS staging overpack drums for disposal.





**Site:** Hastings Street  
**Photo No:** 31 (R4F29)  
**Direction:** South  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** A view of a cubic yard box with UN1263 flammable label.



**Site:** Hastings Street  
**Photo No:** 32 (R4F28)  
**Direction:** Southeast  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** A view of a drum with corrosive label.





**Site:** Hastings Street  
**Photo No:** 33 (R4F27)  
**Direction:** North  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** ERRS loading crushed drums into a rolloff box.



**Site:** Hastings Street  
**Photo No:** 34 (R4F26)  
**Direction:** Northwest  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** A view of two 95-gallon overpack drums of acid labeled as corrosive, hazardous waste.





**Site:** Hastings Street  
**Photo No:** 35 (R4F25)  
**Direction:** West  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** A view of 85-gallon overpack drums labeled and staged for disposal.



**Site:** Hastings Street  
**Photo No:** 36 (R4F22)  
**Direction:** Southwest  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** ERRS loading drums onto a truck for disposal.





**Site:** Hastings Street  
**Photo No:** 37 (R4F19)  
**Direction:** Southeast  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** ERRS loading poly overpack drums onto a truck for disposal.



**Site:** Hastings Street  
**Photo No:** 38 (R4F18)  
**Direction:** Southwest  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** ERRS loading cubic yard boxes onto a truck for disposal.





**Site:** Hastings Street  
**Photo No:** 39 (R4F16)  
**Direction:** West  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** A view of the placarded truck.



**Site:** Hastings Street  
**Photo No:** 40 (R4F15)  
**Direction:** Northeast  
**Photographer:** N. Smith

**Date:** June 25, 1999  
**Subject:** A view of site conditions after initial drum removal had been completed.





**Site:** Hastings Street  
**Photo No:** 41 (R5FE)  
**Direction:** Northeast  
**Photographer:** S. Wenning

**Date:** August 15, 1999  
**Subject:** ERRS' contractor shoring up building.



**Site:** Hastings Street  
**Photo No:** 42 (R5F19A)  
**Direction:** North  
**Photographer:** S. Wenning

**Date:** August 15, 1999  
**Subject:** ERRS removing drums from building.





**Site:** Hastings Street  
**Photo No:** 43 (R6F24)  
**Direction:** North  
**Photographer:** A. Kocher

**Date:** September 16, 1999  
**Subject:** ERRS and Faygo personnel loading drums for disposal.



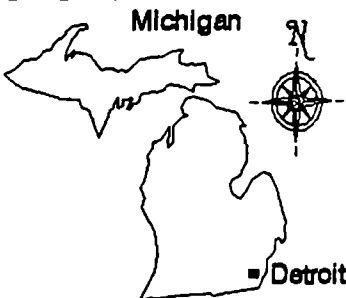
**Site:** Hastings Street  
**Photo No:** 44 (R6F25)  
**Direction:** West  
**Photographer:** A. Kocher

**Date:** September 16, 1999  
**Subject:** Air Products personnel taking possession of cylinder.

**Attachment B**

**Site Illustrations**





ecology and environment, inc.  
Superfund Technical Assessment and Response Team  
Region 5

TITLE Site Location Map

FIGURE 1

SITE Hastings Street

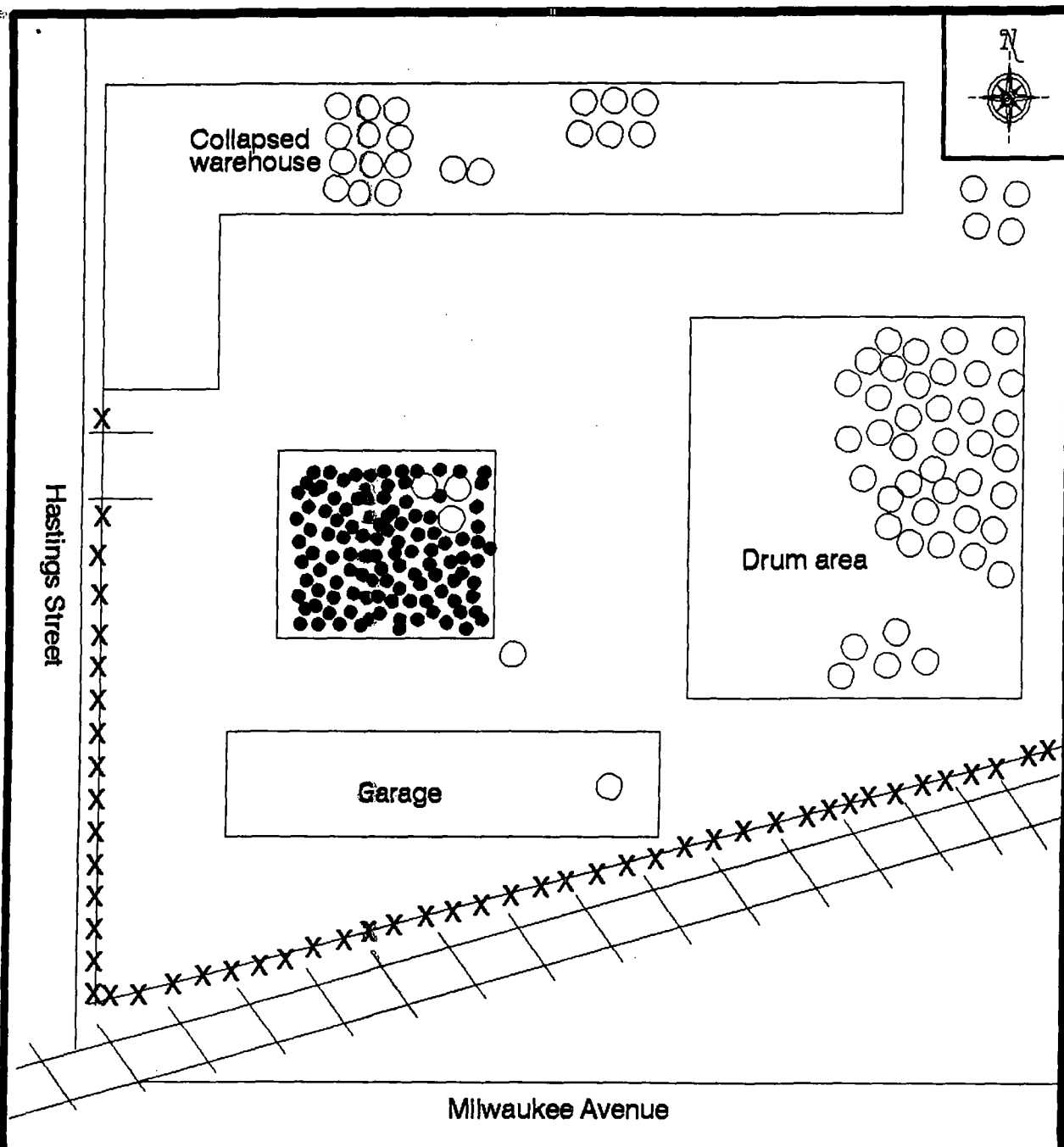
SCALE 1:24,000

CITY Detroit

STATE Michigan

TDD S05-9906-009

SOURCE/DATE  
USGS 7.5 Minute Series, Detroit, MI  
Highland Park, MI 1983 Quadrangle



<b>Legend</b> ● 5-gallon pail ○ 55-gallon drum Railroad track XXXX Fence Entrance gate		ecology and environment, inc. Superfund Technical Assessment and Response Team Region 5	
SOURCE/DATE Ecology and Environment, Inc. June 30, 1999		TITLE <b>Site Features Map</b>	FIGURE <b>2</b>
CITY <b>Detroit</b>		STATE <b>Michigan</b>	SCALE <b>Not to scale</b>
		TDD <b>S05-9906-009</b>	

**Attachment C**

**Waste Disposal Table**

<p align="center"><b>Table 1</b></p> <p align="center"><b>WASTE DISPOSAL TABLE</b></p> <p align="center"><b>HASTINGS STREET</b></p> <p align="center"><b>DETROIT, WAYNE COUNTY, MICHIGAN</b></p> <p align="center"><b>OCTOBER 5, 1999</b></p>		
<b>Description of Waste</b>	<b>Quantity</b>	<b>Disposal Facility</b>
Non-regulated Debris	5 tons	Wayne Disposal, Inc. Belleville, Michigan
RQ Hazardous waste, liquid, n.o.s., (D039, D040), 9, NA3082, III	350 pounds	Michigan Recovery Systems, Inc. Romulus, Michigan
Non-regulated Oils	10,500 pounds	Michigan Disposal Waste Treatment Plant Belleville, Michigan
RQ Waste Paint, 3, UN1263, III (D001, D008, D035, D007)	3,500 pounds	Chemtron Corporation Avon, Ohio
RQ Waste Sulfuric acid, 8, UN1830, II	700 pounds	Chemtron Corporation Avon, Ohio
Sodium hydroxide, solid, 8, UN1823, II	250 pounds	Chemtron Corporation Avon, Ohio
Carbon Dioxide	1 cylinder	Air Products
Concentrated Beverage Mix	880 gallons	Faygo Beverage
Flammable Liquid (D001, D019, D022, D023, D039, D040)	110 gallons	Michigan Recovery Systems, Inc. Romulus, Michigan
Hazardous waste, liquid, n.o.s., (D008)	55 gallons	Michigan Recovery Systems, Inc. Romulus, Michigan
Paint- related material	55 gallons	Michigan Recovery Systems, Inc. Romulus, Michigan
Acetylene	1 cylinder	Praxair Distribution, Inc. Detroit, Michigan

Source: Waste manifests for Hastings Street site, October 5, 1999.